

THE ORIGINAL. BE SAFE.

EMG ELDRO® / ELHY® Electro hydraulic actuators





EMG ELDRO® / ELHY®

Plug & Play: 100 % electric.

Electrohydraulic EMG actuators convert electrical energy into mechanical energy and perform mechanical work during a specific section of the stroke.

The proven versatility of the electrohydraulic thrusters EMG ELDRO® and ELHY® in different areas of operation has led to its widespread use in mining, steel, port and building industry applications.

Electrohydraulic actuators EMG ELDRO® and ELHY® can be utilised in combination with different operating elements, for example in the following areas of application:

- » Lifting and lowering mechanisms
- » Locking and unlocking by displacement of load-securing wedges or securing hooks
- » Lowering of the wipers on conveyor belts
- » Valve actuators on hydraulic presses

Your advantages at a glance

- » Plug & Play – 100 % electric – no pneumatic and no hydraulic units and lines
- » Can be fully automated – Position feedback to the system's PLC via inductive limit switches
- » Actuating times 0.4 – 1 s (at 60 mm of stroke)
- » ELDRO®/ELHY® Failsafe principle – in the event of a malfunction, the coupling closes automatically with the interior spring
- » Wide temperature range: Operational 24/7 during all seasons
- » Simple construction and largely maintenance-free
- » Soft and impact-free mode of operation, as a systemic result of the hydrodynamic working principle

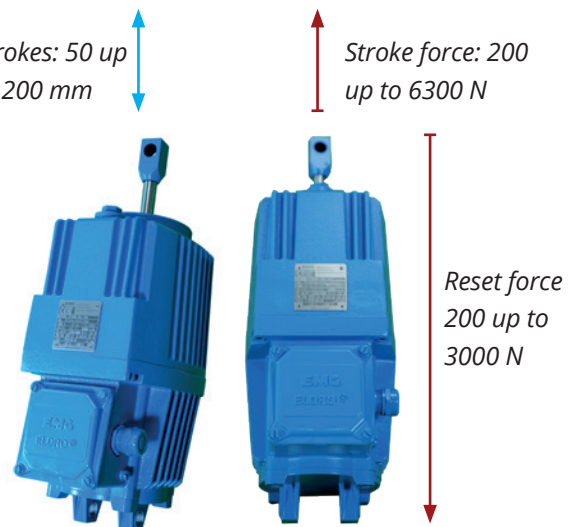
- » S1 operation open 24/7 – only closed in an emergency
- » Frequency of operating cycles up to 2000 c/h
- » Any stroke limitation from outside – does not result in the overloading of the motor
- » Any direction of motor rotation – reversing operation without limitations
- » Independent of the installation position
- » Certification: CE / UKCA / CSA / UL / EAC

Options

- » Lifting/lowering valve
- » Thrusters with explosion protection
- » Biodegradable oils
- » High-voltage 660/1140 V
- » Direct current
- » Limit switches

Strokes: 50 up to 200 mm

Stroke force: 200 up to 6300 N



Temperature range:
-40 up to +80 °C

Reset force
200 up to
3000 N

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